

A Conference on the

# Precautionary Principle

## SPEAKER BIOGRAPHIES

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**Barry R. Wallerstein, D. Env.,** is the Executive Officer for the South Coast Air Quality Management District (AQMD). Wallerstein holds a doctorate in environmental science and engineering from the University of California at Los Angeles, and M.S. and B.S. degrees in biological science. He has over 18 years of experience in urban planning and environmental studies, with an emphasis in air pollution control and public policy development.

Wallerstein has served AQMD in various positions since 1984. Before becoming Executive Officer, he served as Deputy Executive Officer for Planning, Transportation Programs and Information Management and was responsible for overseeing the activities relating to regional air quality planning, environmental and socioeconomic impact analysis, information management and the District's transportation programs. These activities include AQMD's principal programs for attaining federal and state Clean Air Act requirements.

As Director of Planning from 1989 to 1991, Wallerstein was responsible for the Air Quality Management Plan, transportation control measure development, air toxics rules, environmental assessments, air quality forecasting and trend assessment, and analysis of economic impacts and health risk assessment. He has also worked as an Environmental Control Administrator for Northrop, and was a member of the rule development staff in the Mobile Source Division of the California Air Resources Board. He can be contacted by e-mail at [bwallerstein@aqmd.gov](mailto:bwallerstein@aqmd.gov).

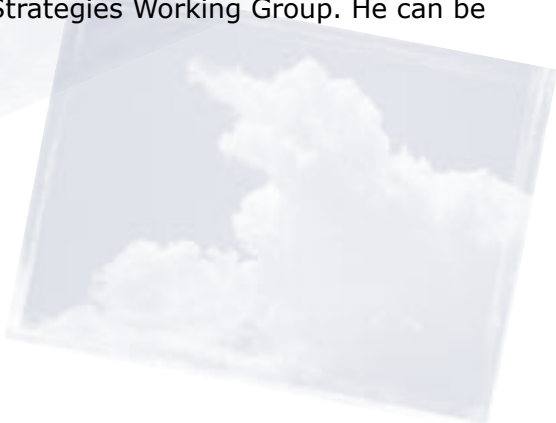
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**Oscar Abarca** is the Assistant Deputy Executive Officer for the Office of Public Affairs at AQMD. Abarca holds an M.A. in public administration from the University of Southern California and a B.A. in sociology. He also attended the New York State School of Industrial and Labor Relations at Cornell University and the Graduate School of Business Management at UCLA.

In his prior experience, Abarca was a transportation planner, a financial analyst and later served as Manager of Local Government Affairs with the Southern California Association of Governments.

Abarca joined AQMD in 1990 as Intergovernmental Affairs Director for Local Government. He was responsible for the AQMD's outreach and liaison with city, county, regional and other governments in Los Angeles County.

Abarca is responsible for overseeing the development and implementation of the draft model air quality element which is designed to assist local governments with addressing air quality when making land use decisions. Another key area of his responsibilities is the comprehensive Environmental Justice program at AQMD. One of the outcomes of the Environmental Justice efforts was the formation of the Cumulative Impacts Reductions Strategies Working Group. He can be reached via e-mail at [oabarca@aqmd.gov](mailto:oabarca@aqmd.gov).





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**Carolyn Raffensperger M.A., J.D.** is the Science and Environmental Health Network's founding Executive Director. In 1982 she left a career as an archaeologist in the desert southwest to join the environmental movement. She first worked for the Sierra Club where she addressed an array of environmental issues including: forest management, river protection, pesticide pollutants, and disposal of radioactive waste. She began working for SEHN in December 1994. As an environmental lawyer she specializes in the fundamental changes in law and policy necessary for the protection and restoration of public health and the environment.

Raffensperger is co-editor of *Protecting Public Health and the Environment: Implementing the Precautionary Principle* and writes the Science for Lawyers column for the Environmental Law Institute's journal. In addition, she serves on editorial review boards for several environmental and sustainable agriculture journals, and has served on U.S. EPA and National Research Council committees.

Along with leading workshops and giving frequent lectures on the Precautionary Principle, Raffensperger is involved in developing SEHN's Ecological Medicine Program, as well as in revisioning the judicial system via the program on Science in the Courts. She has been featured in several national magazines. She can be contacted by e-mail at [raffenspergerc@cs.com](mailto:raffenspergerc@cs.com).

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**Michael De Alessi** is Director of Natural Resource Policy for the Reason Public Policy Institute in Los Angeles. He specializes in water policy, marine conservation and wildlife issues and is former director of the Center for Private Conservation.

He received a Bachelor's degree in Economics and a Master's degree in Engineering Economic Systems from Stanford University and a Master's degree in Marine Policy from the Rosenstiel School of Marine and Atmospheric Science at the University of Miami. He is the author of *Fishing for Solutions*, and his articles have appeared in major national and international publications such as *New Scientist*, *International Herald Tribune*, *The Wall Street Journal Europe*, and *The Asian Wall Street Journal*. He can be contacted by e-mail at [michael.delessi@reason.org](mailto:michael.delessi@reason.org).

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**Joel Tickner, Sc.D.** is a Research Assistant Professor in the Department of Work Environment at the University of Massachusetts Lowell where he is also a Principal Investigator at the Lowell Center for Sustainable Production. His research interests include development of innovative scientific methods and policies to implement a precautionary and preventive approach to decision-making under uncertainty.

Tickner's training is in regulatory science and policy, epidemiology, risk assessment, and pollution prevention. He holds a Doctor of Science degree from the Department of Work Environment, University of Massachusetts Lowell and a Master of Science Degree in Environmental Studies from the University of Montana. He has served as an advisor and researcher for several government agencies, non-profit environmental groups and trade unions both in the U.S. and abroad during the past ten years.

He was co-coordinator of the Wingspread Conference on the Precautionary Principle and co-editor of *Protecting Public Health and the Environment: Implementing the Precautionary Principle*. His newest book is *Precaution, Environmental Science and Preventative Public Policy*. He regularly lectures, speaks at conferences and professional meetings, publishes and conducts trainings on the topics of pollution prevention, risk assessment, toxic chemicals policy, and uncertainty and the precautionary principle. Dr. Tickner was an Environmental Protection Agency STAR Fellow from 1997-2000. He can be contacted by e-mail at: [Joel\\_Tickner@uml.edu](mailto:Joel_Tickner@uml.edu)



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**James "Jim" M. Solyst** is the Team Leader for Science Policy at the American Chemistry Council. In this capacity, he coordinates the Council's domestic and international policy development, advocacy and communication activities relating to precaution, the use of science in decision-making, and risk assessment and cost benefit analysis. Solyst has previously served as the Council's leader on information management and right-to-know and has also been involved in regulatory improvement, research and endocrine policy issues.

Prior to the Council, Solyst worked for the National Governors' Association where he served as the Director of Natural Resources Policy Studies. At NGA, Solyst was responsible for a variety of environmental health and public safety issues, including risk assessment and management, and risk communication. Here, he prepared a number of reports and issue briefs advising Governors and key staff. He also worked for Maryland Governor Harry Hughes and the state Department of Natural Resources.

Solyst has a Masters degree from Ohio State University and a Bachelors degree from the University of Maryland. He is a frequent guest lecturer at the Johns Hopkins School of Hygiene and Public Health and serves on the Scientific Advisory Council of the Johns Hopkins Risk Sciences and Public Policy Institute. He can be contacted via e-mail at [jim\\_soyst@americanchemistry.com](mailto:jim_soyst@americanchemistry.com).

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**Martha Dina Arguello** is the Environmental Health and Justice Programs Director for Physicians for Social Responsibility of Los Angeles. She provides important leadership to California's growing environmental health and justice movement by promoting collaboration and a shared vision of the need to support local advocacy with statewide action. She is a member of the Los Angeles Unified School District's integrated pest management team, Californians for Pesticide Reform's steering committee, and a board member of the Science, Environment and Health Network. She has helped promote the use of precautionary principle policies in the State of California. She can be contacted by e-mail at [arquello@psr.org](mailto:arquello@psr.org).

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**Anupom "Pom Pom" Ganguli, Ph.D.** is the Public Advisor for AQMD. The Public Advisor's office is responsible for providing administrative assistance, technical services and information, and assuring effective communication with both small businesses and the public. A member of the AQMD team since 1987, Ganguli has been on the frontline working with business, community, environmental and government leaders to resolve some of the agency's most critical and complex air quality issues.

Ganguli has helped pioneer the development of various rules and regulations to control smog-forming emissions, including RECLAIM, AQMD's market-based emission reduction program, as well as permitting, enforcement and community outreach activities for major area refineries. Prior to his appointment, Ganguli served as Technology Demonstration Manager in AQMD's Technology Advancement Office, where he led the Clean Fuels Program.

He holds a Ph.D. in chemical engineering from Northwestern University, a master's degree from the University of Windsor, and a bachelor's degree from the Indian Institute of Technology. He is also a graduate of the Southern California Leadership Program. He can be contacted by e-mail at [aganguli@aqmd.gov](mailto:aganguli@aqmd.gov).



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**Debbie Raphael** is the Toxics Reduction Program Manager for the City & County of San Francisco. In this capacity she is responsible for the implementation of the County's Integrated Pest Management and Environmentally Preferable Purchasing programs as well as the Hazardous Waste Collection Program for county residents and small businesses. Raphael was part of the team of City staff and community members that crafted San Francisco's Precautionary Principle Ordinance and will help lead the effort to implement the principle within City government.

Raphael also served as an Environmental Analyst for the City of Santa Monica and implemented that city's award winning Integrated Pest Management and Environmentally Preferable Purchasing Programs. She has presented her work at numerous professional and technical meetings and has consulted with public agencies and school districts across the country on instituting similar environmental programs. She can be contacted by e-mail at [Debbie.raphael@sfgov.org](mailto:Debbie.raphael@sfgov.org).

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**Henry I. Miller, M.S., M.D** is an academic researcher and author. He graduated from the Massachusetts Institute of Technology with a Bachelor of Science degree in Life Sciences and attended the University of California, San Diego, receiving M.S. (Molecular Biology) and M.D. degrees. After completing his clinical training in internal medicine as a Clinical Fellow in Medicine at Harvard Medical School, Dr. Miller spent almost three years as a Research Associate at the National Institutes of Health, using and helping to refine the recombinant DNA ("gene-splicing") techniques that were then emerging.

Miller joined the FDA in 1979 and served in a number of posts involved with the new biotechnology, among them Special Assistant to the FDA Commissioner and founding director of the FDA's Office of Biotechnology. He is currently at Stanford University, where he is a fellow at the Hoover Institution. His research focuses on the relationship between science and regulation, the costs and benefits of government regulation, models for regulatory reform, and federal and international oversight of biotechnology. Other research areas include various aspects of bioterrorism and the need for better oversight of nutritional supplements.

Miller is the author of two books and more than four hundred articles in scholarly and popular publications and is a regular commentator on ABC radio. He is also a director of Consumer Alert; a director of the American Council on Science and Health; an Adjunct Scholar at the Competitive Enterprise Institute; and a scientific advisor to the George C. Marshall Institute. He can be contacted via e-mail at [miller@hoover.stanford.edu](mailto:miller@hoover.stanford.edu).

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**Peter Montague, Ph.D.** is co-founder and director of the Environmental Research Foundation in Annapolis, Maryland. The purpose of the foundation is to offer community organizations information about environmental problems and the technologies and policies that might contribute to their solution.

In his prior experience, Montague taught Environmental Impact Analysis and Statistical Research Concepts and Methods at the University of New Mexico in Albuquerque where he was associate professor of planning. Later he served as project administrator of the Hazardous Waste Research Program at Princeton University. He also was employed as Manager of Distributed Computing in the Office of Computing and Information Technology at Princeton University. His experience also includes a stint with Greenpeace USA as a senior research analyst in the Toxics Reduction Campaign. He has a Ph.D. in American Studies from University of New Mexico. He can be contacted by e-mail at [peter@rachel.org](mailto:peter@rachel.org).



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**Cindy K. Tuck, J.D.** is the California Council for Economic and Environmental Balance's General Counsel. In addition to providing legal counsel to CCEEB, Tuck manages CCEEB's Air Quality Project and Bay Area Partnership. As a registered lobbyist for CCEEB, she represents CCEEB at both the Legislature and the environmental agencies. Tuck currently serves as a member of Cal/EPA's Advisory Committee on Environmental Justice and the Air Resources Board's Environmental Justice Stakeholder Group.

Prior to joining CCEEB's staff, Tuck practiced environmental and business law in Sacramento and provided government relations services for clients - including CCEEB. She has almost two decades of experience in the development and implementation of air quality, water quality, and hazardous materials laws, policies and programs.

In addition to being a member of the State Bar of California, Tuck also holds a Bachelor's Degree in Civil Engineering and a Master's Degree in Environmental Engineering, both from the University of Illinois. She is a licensed Professional Engineer in the State of California. She can be contacted via e-mail at [cindytc@cceeb.org](mailto:cindytc@cceeb.org).

